

| | | |
|--|---------------------|---|
| <p>FORM HDP-1449 (Based on Form PTO-1449)</p> <p>PATENT AND TRADEMARK OFFICE</p> <p>INFORMATION DISCLOSURE CITATION</p> <p>(Use several sheets if necessary)</p> <p>Sheet 1 of 1</p> | ATTORNEY DOCKET No. | SERIAL No. |
| | 5077-000064 | |
| | APPLICANT | |
| | Mamoru Soga et al. | |
| | FILING DATE | GROUP |
| 8/14/01 | 1714 | <p>11046 U.S. PTO</p> <p>09/29/28</p> <p>08/14/01</p> |

| U.S. PATENT DOCUMENTS | | | | | | |
|-----------------------|---------------------|-----------------|------|------|-----------------|------------------------------|
| Ref. Desig. | Examiner's Initials | Document Number | Date | Name | Class/ Subclass | (If appropriate) Filing Date |
| 1. | | | | | | |

| FOREIGN PATENT DOCUMENTS | | | | | | | |
|--------------------------|---------------------|-----------------|------------|---------|-----------------|-----------------|----|
| Ref. Desig. | Examiner's Initials | Document Number | Date | Country | Class/ Subclass | Translation Yes | No |
| 1. | CS | 10-140055 ✓ | 05/26/1998 | Japan | — | X | |
| | | Abstract | | | | | |
| 2. | CS | 2000-154341 ✓ | 06/06/2000 | Japan | — | X | |
| | | Abstract | | | | | |

| OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.) | | |
|--|---------------------|--|
| Ref. Desig. | Examiner's Initials | |
| 1. | CS | Kanaoka, Shokyoku; Sawamoto, Mitsuo; and Higashimura, Toshinobu; "Star-Shaped Polymers by Living Cationic Polymerization. 2. Synthesis of Amphiphilic Star-Shaped Block Polymers of Vinyl Ethers with Hydroxyl Groups"; Macromolecules; Vol. 24, No. 21; October 1991; pp. 5741-5745. |
| 2. | ✓ | Kanaoka, Shokyoku; Omura, Takahiro; Sawamoto, Mitsuo; and Higashimura, Toshinobu; "Star-Shaped Polymers by Living Cationic Polymerization. 3. Synthesis of Heteroarm Amphiphilic Star-Shaped Polymers of Vinyl Ethers with Hydroxyl or Carboxyl Pendant Groups"; Macromolecules; Vol. 25. No. 24; 1992; pp. 6407-3413. |
| 3. | ✓ | Kanaoka, S.; Kiriya, K.; and Higashimura, T.; "Synthesis and Functions of Amphiphilic Star Block and Heteroarm Star Polymers by Living Cationic Polymerization"; Prepr. 7th SPSJ International Polymer Conference (IPC 99); 1999; p. 235. |
| 4. | ✓ | Kanaoka, S.; "Precision Synthesis of Functional Star-Shaped Polymers by Living Cationic Polymerization"; Polymer Preprints, Japan, Vol. 49, No. 1; 2000; and partial English translation thereof. |

| | |
|-------------------------------|---------------------------------|
| Examiner: <i>Caene Shushu</i> | Date Considered: <i>3/13/03</i> |
|-------------------------------|---------------------------------|

EXAMINER: Please initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.